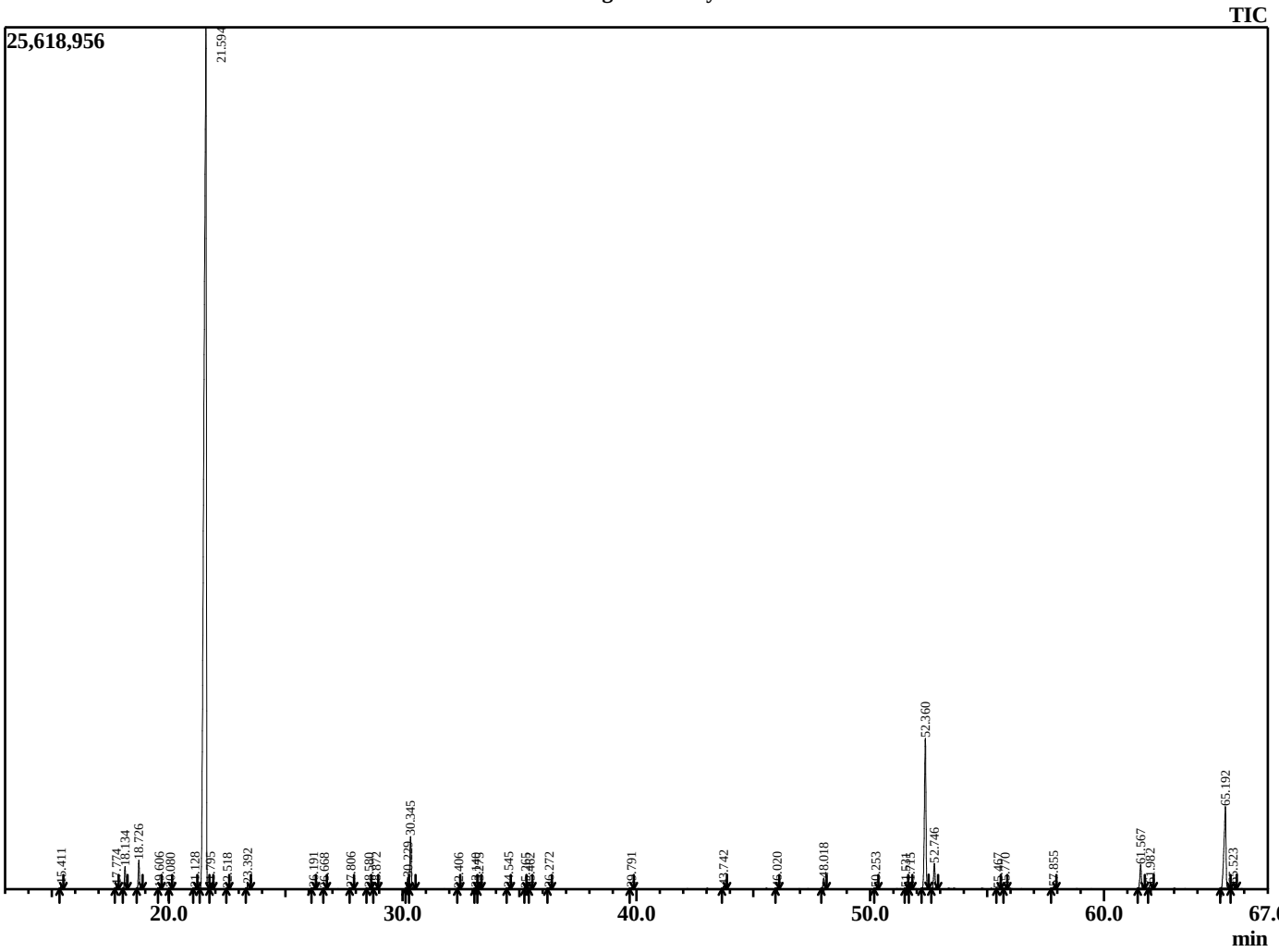
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 7/20/2018 9:31:26 AM
Sample Type : Essential Oil
Sample Name : Celery Seed - Edens Garden
Sample ID : AH06GC
Injection Volume : 0.10
Instrument ID: : GC-2

This report is not valid 1 year after the report date.

Chromatogram Celery Seed



Peak Report TIC

R.Time	Name	Area%
15.411	alpha-Pinene	0.19
17.774	Sabinene	0.16
18.134	beta-Pinene	0.94
18.726	Myrcene	1.22
19.606	Octanal	0.04
20.080	3-Carene	0.02
21.128	para-Cymene	0.07
21.594	Limonene	74.36
21.795	Z-beta-Ocimene	0.04
22.518	E-beta-Ocimene	0.01
23.392	gamma-Terpinene	0.24
26.191	Linalool	0.06
26.668	1-Octen-3-yl-acetate	0.02
27.806	trans-p-Mentha-2,8-dienol	0.06
28.580	cis-Limonene oxide	0.03
28.872	trans-Limonene oxide	0.07
30.229	Amylbenzene	0.57
30.345	6-Butyl-1,4-cycloheptadiene	2.56
32.406	trans-p-mentha-1(7),8-dien-2-ol	0.02
33.140	Z-dihydro-Carvone	0.02
33.275	cis-Carveol	0.04
34.545	trans-Carveol	0.05
35.265	trans-p-Mentha-1(7),8-dien-2-ol	0.01
35.462	cis-Carveol	0.02
36.272	Carvone	0.04
39.791	trans-Pinocarvyl acetate	0.07
43.742	Valerophenone	0.14
46.020	beta-Elemene	0.05
48.018	beta-Caryophyllene	0.58
50.253	alpha-Humulene	0.06
51.531	gamma-Curcumene	0.02
51.715	Ar-Curcumene	0.03
52.360	beta-Selinene	8.60
52.746	alpha-Selinene	1.38
55.467	Selina-3,7(11)-diene	0.02
55.770	alpha-Elemol	0.03
57.855	Caryophyllene oxide	0.13
61.567	Butylphthalide	1.37
61.982	beta-Eudesmol	0.28
65.192	Sedanenolide	6.10
65.523	Phthalide <3-isobutylidene->	0.27
		100.00

Comments:
The analysis of this Celery Seed batch sample meets the expected chemical profile for authentic essential oil of Apium graveolens. No contamination or adulteration was detected.